

```

*           6:30am :00pm Monday through Friday      *
*           7:30am :00pm Saturday, Sunday, Holiday  *
*
*           APS is unavailable Thanksgiving Day, Christmas Day,
*           and New Year's Day.
*
* * * * *

```

FILE 'USPAT' ENTERED AT 11:26:08 ON 24 MAR 1999

```

* * * * *
*           W E L C O M E   T O   T H E
*           U . S .   P A T E N T   T E X T   F I L E
* * * * *

```

=> s (364/478.13-478.15)/cclst

L1            129 (364/478.13-478.15)/CCLST (3 TERMS)  
                      (364/478.13+NEXT2/CCLST)

=> s l1 and address

              137198 ADDRESS  
L2            64 L1 AND ADDRESS

=> s l1 and (mail?(p)address(p)correct?)

              16132 MAIL?  
              137198 ADDRESS  
              387717 CORRECT?  
              245 MAIL?(P)ADDRESS(P)CORRECT?  
L3            13 L1 AND (MAIL?(P)ADDRESS(P)CORRECT?)

=> s l1 and (mail?(p)address(p)correcting or correction or corrected)

              16132 MAIL?  
              137198 ADDRESS  
              60341 CORRECTING  
              13 MAIL?(P)ADDRESS(P)CORRECTING  
              110092 CORRECTION  
              92563 CORRECTED  
L4            36 L1 AND (MAIL?(P)ADDRESS(P)CORRECTING OR CORRECTION OR CORRE  
CTE  
              D)

=> s l1 and (mail?(p)address(p)correcting(p)correction(p)corrected)

              16132 MAIL?  
              137198 ADDRESS  
              60341 CORRECTING  
              110092 CORRECTION  
              92563 CORRECTED  
              0 MAIL?(P)ADDRESS(P)CORRECTING(P)CORRECTION(P)CORRECTED  
L5            0 L1 AND (MAIL?(P)ADDRESS(P)CORRECTING(P)CORRECTION(P)CORRECT  
ED)

=> d hist

(FILE 'USPAT' ENTERED AT 11:26:08 ON 24 MAR 1999)  
L1            129 S (364/478.13-478.15)/CCLST  
L2            64 S L1 AND ADDRESS  
L3            13 S L1 AND (MAIL?(P)ADDRESS(P)CORRECT?)  
L4            36 S L1 AND (MAIL?(P)ADDRESS(P)CORRECTING OR CORRECTION OR CO  
RRE  
L5            0 S L1 AND (MAIL?(P)ADDRESS(P)CORRECTING(P)CORRECTION(P)CORR

ECT

=> s 11 and (mail?(p)address) (p) (correcting(p)correction(p)corrected)

16132 MAIL?  
137198 ADDRESS  
60341 CORRECTING  
110092 CORRECTION  
92563 CORRECTED  
0 (MAIL?(P)ADDRESS) (P) (CORRECTING(P)CORRECTION(P)CORRECTED)  
L6 0 L1 AND (MAIL?(P)ADDRESS) (P) (CORRECTING(P)CORRECTION(P)CORRE  
CTE D)

=> s 11 and (mail?(p)address) (p) (correcting or correction or corrected)

16132 MAIL?  
137198 ADDRESS  
60341 CORRECTING  
110092 CORRECTION  
92563 CORRECTED  
66 (MAIL?(P)ADDRESS) (P) (CORRECTING OR CORRECTION OR CORRECTED)  
L7 7 L1 AND (MAIL?(P)ADDRESS) (P) (CORRECTING OR CORRECTION OR COR  
REC TED)

=> d cit, hit 1-7

1. 5,703,783, Dec. 30, 1997, Apparatus for intercepting and forwarding  
incorrectly addressed postal mail; Ronald L. Allen, et al., 364/478.01;  
209/584; **364/478.14** [IMAGE AVAILABLE]

US PAT NO: 5,703,783 [IMAGE AVAILABLE]  
US-CL-CURRENT: 364/478.01; 209/584; **364/478.14**

L7: 1 of 7

SUMMARY:

BSUM(4)

According to current United States Postal Service (USPS) procedures, the local post office (destination delivery unit) is responsible for identifying those **mailpieces** that are incorrectly addressed and require forwarding. The **mail** carrier typically recognizes the **address** on the **mailpiece** as no longer valid (incorrect) during the "casing" operation at the post office or during an attempted delivery of the **mailpiece** to the designated destination **address**. Most often the identification of incorrectly addressed **mailpieces** will only occur if the addressee completes and submits a Change of **Address** Order Form that requests **mailpiece** forwarding. A **mailpiece** identified as in need of forwarding is manually segregated by the carrier from correctly addressed **mailpieces** and removed from the **mail** stream to a USPS Computerized Forwarding System (CFS) for **address correction**.

SUMMARY:

BSUM(7)

The current **mail** forwarding system makes inefficient use of limited USPS resources by unnecessarily transporting incorrectly addressed **mailpieces** to the local post office for the incorrect **address** before identification, **address correction** and forwarding occur. Accordingly, there is a need for an apparatus that will identify incorrectly addressed **mailpieces** prior to the time they are delivered

to reprint the control documents. It is a still further advantage of the subject invention that the limited amount of information which need be printed on the control document as an identification code allows the identification code to be used in the form of an error **correcting** code; greatly reducing the probability of an error in mail preparation.

=>

=>

=> d hist

(FILE 'USPAT' ENTERED AT 11:26:08 ON 24 MAR 1999)  
L1 129 S (364/478.13-478.15)/CCLST  
L2 64 S L1 AND ADDRESS  
L3 13 S L1 AND (MAIL?(P)ADDRESS(P)CORRECT?)  
L4 36 S L1 AND (MAIL?(P)ADDRESS(P)CORRECTING OR CORRECTION OR CO  
RRE  
L5 0 S L1 AND (MAIL?(P)ADDRESS(P)CORRECTING(P)CORRECTION(P)CORR  
ECT  
L6 0 S L1 AND (MAIL?(P)ADDRESS)(P)(CORRECTING(P)CORRECTION(P)CO  
RRE  
L7 7 S L1 AND (MAIL?(P)ADDRESS)(P)(CORRECTING OR CORRECTION OR  
COR

=> s 17 and pay?

55462 PAY?  
L8 2 L7 AND PAY?

=> d 1-2

1. 5,612,889, Mar. 18, 1997, Mail processing system with unique mailpiece authorization assigned in advance of mailpieces entering carrier service mail processing stream; Leon A. Pintsov, et al., 364/478.14, 478.03, 478.15 [IMAGE AVAILABLE]

2. 4,800,505, Jan. 24, 1989, Mail preparation system; Barry H. Axelrod, et al., 364/478.09; 209/3.3, 584; 235/375; 270/1.02, 58.06; 364/478.11, 478.15; 705/404, 406, 407 [IMAGE AVAILABLE]

=> d hit 1-2

US PAT NO: 5,612,889 [IMAGE AVAILABLE] L8: 1 of 2  
US-CL-CURRENT: 364/478.14, 478.03, 478.15

#### ABSTRACT:

A **mailing** list is created including destination addresses for **mailpieces** to be submitted to a carrier service for delivery. A unique **mailpiece** identifier associated with **mailpieces** on the **mailing** list is generated by the carrier or other trusted third party. The unique **mailpiece** identifier is printed on the **mailpiece** with which it is associated. The **mailpieces** with the printed unique identifier are submitted to the carrier service. The carrier service obtains the printed unique identifier from the **mailpiece**. The obtained unique identifier from each said **mailpiece** is utilized to verify that data associated with the **mailpiece** has been processed by the carrier or trusted third party. When the unique number has been obtained from the **mailpieces**, the carrier service, if desired, may note this fact in the carrier records to prevent reuse of the unique identifier. The carrier service as part of

subject invention that the limited amount of information which need be printed on the control document as an identification code allows the identification code to be used in the form of an error correcting code; greatly reducing the probability of an error in mail preparation.

=> d hist

```
(FILE 'USPAT' ENTERED AT 11:26:08 ON 24 MAR 1999)
L1      129 S (364/478.13-478.15)/CCLST
L2      64 S L1 AND ADDRESS
L3      13 S L1 AND (MAIL?(P)ADDRESS(P)CORRECT?)
L4      36 S L1 AND (MAIL?(P)ADDRESS(P)CORRECTING OR CORRECTION OR CO
RRE
L5      0 S L1 AND (MAIL?(P)ADDRESS(P)CORRECTING(P)CORRECTION(P)CORR
ECT
L6      0 S L1 AND (MAIL?(P)ADDRESS) (P) (CORRECTING(P)CORRECTION(P)CO
RRE
L7      7 S L1 AND (MAIL?(P)ADDRESS) (P) (CORRECTING OR CORRECTION OR
COR
L8      2 S L7 AND PAY?
```

=> s merging or updating or correcting

```
16724 MERGING
27909 UPDATING
60341 CORRECTING
L9      99882 MERGING OR UPDATING OR CORRECTING
```

=> s l9 and code?

```
177765 CODE?
L10     30690 L9 AND CODE?
```

=> s l9 and zip(w)code

```
3060 ZIP
136939 CODE
1239 ZIP(W)CODE
L11     392 L9 AND ZIP(W)CODE
```

=> s l11 and computer

```
227380 COMPUTER
L12     358 L11 AND COMPUTER
```

=> s l12 and database

```
17514 DATABASE
L13     229 L12 AND DATABASE
```

=> s l13 and process?

<-----User Break----->

u  
SEARCH ENDED BY USER

=>

=> s l13 and (processing or processed or processor)

```
501169 PROCESSING
279398 PROCESSED
```

124548 PROCESSOR  
L14 226 L13 AND (PROCESSING OR PROCESSED OR PROCESSOR)

=> d hist

(FILE 'USPAT' ENTERED AT 11:26:08 ON 24 MAR 1999)  
L1 129 S (364/478.13-478.15)/CCLST  
L2 64 S L1 AND ADDRESS  
L3 13 S L1 AND (MAIL?(P)ADDRESS(P)CORRECT?)  
L4 36 S L1 AND (MAIL?(P)ADDRESS(P)CORRECTING OR CORRECTION OR CO  
RRE  
L5 0 S L1 AND (MAIL?(P)ADDRESS(P)CORRECTING(P)CORRECTION(P)CORR  
ECT  
L6 0 S L1 AND (MAIL?(P)ADDRESS) (P) (CORRECTING(P)CORRECTION(P)CO  
RRE  
L7 7 S L1 AND (MAIL?(P)ADDRESS) (P) (CORRECTING OR CORRECTION OR  
COR  
L8 2 S L7 AND PAY?  
L9 99882 S MERGING OR UPDATING OR CORRECTING  
L10 30690 S L9 AND CODE?  
L11 392 S L9 AND ZIP(W)CODE  
L12 358 S L11 AND COMPUTER  
L13 229 S L12 AND DATABASE  
L14 226 S L13 AND (PROCESSING OR PROCESSED OR PROCESSOR)

=> s l14 and (payment or electronic(w)payment)

21895 PAYMENT  
280996 ELECTRONIC  
21895 PAYMENT  
141 ELECTRONIC(W)PAYMENT  
L15 74 L14 AND (PAYMENT OR ELECTRONIC(W)PAYMENT)

=> d 1-74

1. 5,884,284, Mar. 16, 1999, Telecommunication user account management system and method; J. Michael Peters, et al., 705/30; 348/1, 3, 6, 7; 705/34, 400 [IMAGE AVAILABLE]
2. 5,873,094, Feb. 16, 1999, Method and apparatus for automated conformance and enforcement of behavior in application **processing** systems; Kirit K. Talatik, 707/104; 706/45 [IMAGE AVAILABLE]
3. 5,872,588, Feb. 16, 1999, Method and apparatus for monitoring audio-visual materials presented to a subscriber; Caglan M. Aras, et al., 348/1, 10; 455/2, 6.2 [IMAGE AVAILABLE]
4. 5,870,721, Feb. 9, 1999, System and method for real time loan approval; Jeffrey A. Norris, 705/38, 35, 39, 42, 43 [IMAGE AVAILABLE]
5. 5,852,809, Dec. 22, 1998, System and method for routing data and communications; William D. Abel, et al., 705/26; 235/375; 705/7, 8, 14 [IMAGE AVAILABLE]
6. 5,835,896, Nov. 10, 1998, Method and system for **processing** and transmitting electronic auction information; Alan S. Fisher, et al., 705/37, 27 [IMAGE AVAILABLE]
7. 5,835,604, Nov. 10, 1998, Method of mapping destination addresses for use in calculating digital tokens; David K. Lee, 380/51, 23, 25, 46, 49, 55 [IMAGE AVAILABLE]
8. 5,835,376, Nov. 10, 1998, Fully automated vehicle dispatching,

selectively accessing financial records related to investments; David Campbell, 705/36 [IMAGE AVAILABLE]

26. 5,732,216, Mar. 24, 1998, Audio message exchange system; James Logan, et al., 395/200.33; 348/7, 13 [IMAGE AVAILABLE]

27. 5,729,461, Mar. 17, 1998, Postage metering system including means for controlling the resolution of printing a portion of a postage indicia; Thomas A. D'Andrea, et al., 705/408; 101/71; 345/435; 705/410 [IMAGE AVAILABLE]

28. 5,724,575, Mar. 3, 1998, Method and system for object-based relational distributed databases; Michael K. Hoover, et al., 707/10, 103; 709/205, 217 [IMAGE AVAILABLE]

29. 5,721,827, Feb. 24, 1998, System for electrically distributing personalized information; James Logan, et al., 395/200.47; 348/13 [IMAGE AVAILABLE]

30. 5,717,597, Feb. 10, 1998, System and method for printing personalized postage indicia on greeting cards; Salim G. Kara, 705/408; 364/479.01, 479.02, 479.03, 479.05; 705/410 [IMAGE AVAILABLE]

31. 5,717,595, Feb. 10, 1998, Integrated automated vehicle analysis; John K. Cherrington, et al., 705/400; 73/117.2, 117.3, 121; 345/329; 364/400; 701/29; 702/157, 170; 705/1, 16, 24, 29 [IMAGE AVAILABLE]

32. 5,703,795, Dec. 30, 1997, Apparatus and methods for accessing information relating to radio and television programs; Roy J. Mankovitz, 345/327; 348/473; 705/10 [IMAGE AVAILABLE]

33. 5,696,906, Dec. 9, 1997, Telecommunication user account management system and method; J. Michael Peters, et al., 705/34 [IMAGE AVAILABLE]  
<-----User Break----->

u  
=> d hist

(FILE 'USPAT' ENTERED AT 11:26:08 ON 24 MAR 1999)  
L1 129 S (364/478.13-478.15)/CCLST  
L2 64 S L1 AND ADDRESS  
L3 13 S L1 AND (MAIL?(P)ADDRESS(P)CORRECT?)  
L4 36 S L1 AND (MAIL?(P)ADDRESS(P)CORRECTING OR CORRECTION OR CO  
RRE  
L5 0 S L1 AND (MAIL?(P)ADDRESS(P)CORRECTING(P)CORRECTION(P)CORR  
ECT  
L6 0 S L1 AND (MAIL?(P)ADDRESS) (P) (CORRECTING(P)CORRECTION(P)CO  
RRE  
L7 7 S L1 AND (MAIL?(P)ADDRESS) (P) (CORRECTING OR CORRECTION OR  
COR  
L8 2 S L7 AND PAY?  
L9 99882 S MERGING OR UPDATING OR CORRECTING  
L10 30690 S L9 AND CODE?  
L11 392 S L9 AND ZIP(W)CODE  
L12 358 S L11 AND COMPUTER  
L13 229 S L12 AND DATABASE  
L14 226 S L13 AND (PROCESSING OR PROCESSED OR PROCESSOR)  
L15 74 S L14 AND (PAYMENT OR ELECTRONIC(W)PAYMENT)

=> s l15 and (account(w)number)

152863 ACCOUNT  
1247362 NUMBER  
2477 ACCOUNT(W)NUMBER  
L16 26 L15 AND (ACCOUNT(W)NUMBER)

particular disperse based upon. . . stored  
through until said VALUE is met or  
exceeded.

83-88 Coupons are dispersed either with ON-  
LINE **processor** spooling selected  
Coupons to a point-of-sale coupon  
printer or via Direct Mail.

SYSTEM LIMITS EXCEEDED - DISPLAY ENDED

=> d hist

(FILE 'USPAT' ENTERED AT 11:26:08 ON 24 MAR 1999)  
L1 129 S (364/478.13-478.15)/CCLST  
L2 64 S L1 AND ADDRESS  
L3 13 S L1 AND (MAIL?(P)ADDRESS(P)CORRECT?)  
L4 36 S L1 AND (MAIL?(P)ADDRESS(P)CORRECTING OR CORRECTION OR CO  
RRE  
L5 0 S L1 AND (MAIL?(P)ADDRESS(P)CORRECTING(P)CORRECTION(P)CORR  
ECT  
L6 0 S L1 AND (MAIL?(P)ADDRESS)(P)(CORRECTING(P)CORRECTION(P)CO  
RRE  
L7 7 S L1 AND (MAIL?(P)ADDRESS)(P)(CORRECTING OR CORRECTION OR  
COR  
L8 2 S L7 AND PAY?  
L9 99882 S MERGING OR UPDATING OR CORRECTING  
L10 30690 S L9 AND CODE?  
L11 392 S L9 AND ZIP(W)CODE  
L12 358 S L11 AND COMPUTER  
L13 229 S L12 AND DATABASE  
L14 226 S L13 AND (PROCESSING OR PROCESSED OR PROCESSOR)  
L15 74 S L14 AND (PAYMENT OR ELECTRONIC(W)PAYMENT)  
L16 26 S L15 AND (ACCOUNT(W)NUMBER)

=> s l16 and address

137198 ADDRESS  
L17 25 L16 AND ADDRESS

=>  
Connection closed by remote host